PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 7483-6USTURB	FOR FURTHER see Form PCT/ISA/220 ACTION as well as, where applicable, item 5 below.					
International application No. PCT/US04/26480	International filing date (day/month/year) 16 August 2004 (16.08.2004)	(Earliest) Priority Date (day/month/year) 14 August 2003 (14.08.2003)				
Applicant U.S. TURBO, LLC						
This international search report consists It is also accompanied 1. Basis of the Report a. With regard to the language, the language in which it was filed, using the language in which it was filed, using the language in the international furnished to this Author b. With regard to any nucleot Certain claims were found Unity of invention is lacking the text is approved as subtractions.	the by a copy of each prior art document cited international search was carried out on the basinless otherwise indicated under this item. I search was carried out on the basis of a transfority (Rule 23.1(b)). I de and/or amino acid sequence disclosed in the language of the language o	in this report. sis of the international application in the lation of the international application				
the text is approved as sub	mitted by the applicant.	y as it appears in Box No. IV. The applicant				
the text has been established may, within one month from	om the date of mailing of this international sear	ch report, submit comments to this Authority.				
<u>~~</u>	e published with the abstract is Figure No. 2					
as suggested by the		and a Source				
· · · · · · · · · · · · · · · · · · ·	s Authority, because the applicant failed to sug					
	s Authority, because this figure better characte	rizes the invention.				
b none of the figures is to b	e published with the abstract.					

Form PCT/ISA/210 (first sheet) (January 2004)

International application No.

Box No.	. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)
invent	egard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ion, the international search was carried out on the basis of: type of material a sequence listing
	table(s) related to the sequence listing
b.	format of material
	in written format
	in computer readable form
c.	time of filing/furnishing
	contained in the international application as filed filed together with the international application in computer readable form
	furnished subsequently to this Authority for the purposes of search
2.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Addit	tional comments:
İ	
<u> </u> 	
1	

International application No.

	No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)			
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:					
1.		Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:			
2.	`	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:			
3.		Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box	No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)			
This	This International Searching Authority found multiple inventions in this international application, as follows:				
1.		As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.			
3.		As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:			
4.		No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:			
Rei	mark on	Protest The additional search fees were accompanied by the applicant's protest.			
		No protest accompanied the payment of additional search fees.			

International application No.

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C22F 1/043; C21D 6/04 US CL 148/577 540 608: 420/548							
According to	US CL: 148/577,549,698; 420/548 According to International Patent Classification (IPC) or to both national classification and IPC						
	OS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols) U.S.: 148/577,549,698; 420/548							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
Electronic dat EAST	Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST						
C. DOCU	JMENTS CONSIDERED TO BE RELEVANT						
Category *	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.				
х	JP 54-033815 A (TOYOTA MOTOR CORP.) 12 Ma	rch 1979 (12.03.1979), abstract,	31-33				
 Y	columns 1 and 2.						
x	US 4,975,243 A (SCOTT et al) 04 December 1990 (0	04.12.1990), column 2 line 1, 17-22,	31, 33				
<u>х</u> Y	column 4 lines 26-31.		4, 23				
Y	Davis, J.R. "Aluminum and Aluminum Alloys", ASM International, 1993, pp 88-90,108-112,309-311,317-318,328-330.		1-30				
	r documents are listed in the continuation of Box C.	See patent family annex.	signal Giling data on priority				
Special categories of cited documents: "T" "A" document defining the general state of the art which is not considered to be		date and not in conflict with the appli principle or theory underlying the inv	cation but cited to understand the ention				
"E" earlier application or patent published on or after the international filing date w		"X" document of particular relevance; the considered novel or cannot be considered when the document is taken alone	claimed invention cannot be ered to involve an inventive step				
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination					
"O" documer	nt referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in t	he art				
"P" document published prior to the international filing date but later than the "&" document member of the same patent fam priority date claimed							
Date of the actual completion of the international search Date of mailing of the international search MAR 2		705					
08 February 2005 (08.02.2005) Name and mailing address of the ISA/US A		Authorized officer	TAI				
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Janelle Combs-Morillo	Utukkel				
P.O. Box 1450 Alexandria, Virginia 22313-1450 Telephone No. 571-272-1700			Tai				
Facsimile No. (703) 305-3230							
Form PCT/IS	SA/210 (second sheet) (January 2004)						

International application No.

			<u></u>		
A. CLASSIFICATION OF SUBJECT MATTER					
IPC(7) : C22F 1/043; C21D 6/04					
US CL	: 148/577,549,698; 420/548	tional -1	agaification and YDC		
	International Patent Classification (IPC) or to both na DS SEARCHED	HODAL CI	assincation and IPC		
	cumentation searched (classification system followed b	y classif	cation symbols)		
U.S. : 14	48/577,549,698; 420/548				
1					
Dooumantatio	on searched other than minimum documentation to the	extent th	est such documents are included i	n the fields seembed	
Documentation	on scarcined other than minimum documentation to the	CAUCIL III	iat such documents are included i	ii the neids searched	
				•	
Electronic da	ta base consulted during the international search (name	e of data	base and, where practicable, sea	rch terms used)	
EAST	a one constitut during the international source (imm.	01 4444	and and, where proceeding, but	. 511 1511115 4554)	
C. DOC	UMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where a			Relevant to claim No.	
X	JP 54-033815 A (TOYOTA MOTOR CORP.) 12 M	arch 1979	9 (12.03.1979), abstract,	31-33	
	columns 1 and 2.				
Y				3,22	
x	US 4,975,243 A (SCOTT et al) 04 December 1990 (04.12.19	990), column 2 line 1, 17-22,	31, 33	
 3/	column 4 lines 26-31.			4, 23	
Y			•	4, 25	
37	Davis ID "Alumisium and Aluminum Allaum" AC	M Intorn	ntional 1002 pa 99-00 109	1-30	
Y	Davis, J.R. "Aluminum and Aluminum Alloys", AS	w men	attonat, 1993, pp 88-90,108-	1-30	
	112,309-311,317-318,328-330.		*:		
	·		•		
ĺ					
	·				
	•	•			
				1	
<u> </u>				L	
Further	documents are listed in the continuation of Box C.		See patent family annex.		
			later document published after the int	ernational filing date or priority	
S)	pecial categories of cited documents:	•	date and not in conflict with the appli	cation but cited to understand the	
	defining the general state of the art which is not considered to be		principle or theory underlying the inv	ention	
or particu	ilar relevance	"X"	document of particular relevance; the	claimed invention cannot be	
"E" earlier ap	plication or patent published on or after the international filing date		considered novel or cannot be considered		
"L" document	t which may throw doubts on priority claim(s) or which is cited to		when the document is taken alone		
establish	the publication date of another citation or other special reason (as	"Y"	document of particular relevance; the		
specified)			considered to involve an inventive ste combined with one or more other suc		
"O" document	t referring to an oral disclosure, use, exhibition or other means		being obvious to a person skilled in the		
"P" documen	t published prior to the international filing date but later than the	"&"	document member of the same patent	family	
	late claimed	OL.	accument memora or the same patent		
		Date o	Date of mailing of the international search report		
2 C. M. wetan completion of the international scaton			0 1 MAR 2005		
08 February 2005 (08.02.2005)				CUUJ THIN	
		Author	rized officer	TAI	
Mail Stop PCT, Attn: ISA/US Commissioner for Patents Janelle Combs-Morillo			OUT LIVUAL		
P.O. Box 1450			White the		
Alexandria, Virginia 22313-1450 Telephone No. 571-272-1700					
	Facsimile No. (703) 305-3230				
Form PCT/IS	A/210 (second sheet) (January 2004)				